

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. N/A <u>30-039-31342</u>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Jicarilla B
8. Well Number 4F
9. OGRID Number 143199
10. Pool name or Wildcat Blanco-Mesaverde & Basin-Dakota

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Enervest Operating, L.L.C.

3. Address of Operator
1001 Fannin Street, Suite 800 Houston, Texas 77002

4. Well Location
Unit Letter O : 715 feet from the South line and 1907 feet from the East line
Section 21 Township 26 North Range 5 West NMPM Rio Arriba County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6,502' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☒
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Enervest Operating, L.L.C. ("Enervest") is proposing to drill the Jicarilla B Well No. 4F and complete the well as a downhole commingled completion in the Blanco-Mesaverde and Basin-Dakota Gas Pools.

Order No. Authorizing Pre-Approved Downhole Commingling: R-11363 dated 4/26/2000

Pools to be Downhole Commingled: Blanco-Mesaverde (Prorated Gas-72319) and Basin-Dakota (Prorated Gas-71599) Pools

Perforated Intervals (Estimated): Basin-Dakota: 7,212'-7,436'; Blanco-Mesaverde: 4,922'-5,425'

Allocation Method: Based upon the 2014 average production from eight wells offsetting the Jicarilla B No. 4F (See Attached Table), Enervest proposes to allocate production to the well as follows:

Blanco-Mesaverde Gas Pool: Oil: 47% Gas: 47% Water: 31%

Basin-Dakota Gas Pool: Oil: 53% Gas: 53% Water: 69%

Interest Ownership between the Mesaverde and Dakota is common. The well is dedicated to the E/2 of Section 21 in both the Blanco-Mesaverde and Basin-Dakota Gas Pools. No notification required.

The composition of the commingled fluids is such that commingling will not reduce the total remaining production's value

A Copy of this Form C-103 has been provided to the United States Bureau of Land Management.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Michelle Doescher TITLE Regulatory Consultant DATE 02/02/2015

Type or print name Michelle Doescher E-mail address: sdoescher@enervest.net PHONE: 505-320-5682

For State Use Only

APPROVED BY: [Signature]
Conditions of Approval (if any):

DEPUTY OIL & GAS INSPECTOR

TITLE DISTRICT #3

DATE 11/12/2015

DHC Application
Jicarilla B No. 4F
Offset Well Production

Offset Well Name & Number	Well Location	2014 Avg. Mesaverde Oil Production	2014 Avg. Mesaverde Gas Production	2014 Avg. Mesaverde H2O Prod.	2014 Avg. Dakota Oil Production	2014 Avg. Dakota Gas Production	2014 Avg. Dakota H2O Prod.
Jicarilla B No. 4M	G-21-26N-5W	0.51 BOPD	102 MCFG/D	1.2 BWPD	0.63 BOPD	124 MCFG/D	2.4 BWPD
Jicarilla B No. 5	K-21-26N-5W	0.34 BOPD	50 MCFG/D	0.36 BWPD	0.14 BOPD	21 MCFG/D	0.36 BWPD
Jicarilla B No. 6	K-22-26N-5W	0.02 BOPD	22 MCFG/D	.004 BWPD	0.01 BOPD	8 MCFG/D	0.01 BWPD
Jicarilla Apache No. 10G	F-27-26N-5W	0.16 BOPD	47 MCFG/D	0.65 BWPD	0.33 BOPD	78 MCFG/D	1.4 BWPD
Jicarilla Apache No. 9	A-28-26N-5W	0.08 BOPD	23 MCFG/D	0.20 BWPD	0.26 BOPD	69 MCFG/D	0.6 BWPD
Jicarilla Apache No. 11E	C-28-26N-5W	0.04 BOPD	37 MCFG/D	0.16 BWPD	N/A	N/A	N/A
Jicarilla Apache No. 11F	D-28-26N-5W	0.19 BOPD	45 MCFG/D	1.0 BWPD	0.37 BOPD	73 MCFG/D	2.1 BWPD
Jicarilla A No. 5E	J-20-26N-5W	0.5 BOPD	90 MCFG/D	0.22 BWPD	0.11 BOPD	40 MCFG/D	0.32 BWPD
Well Average		0.23 BOPD	52 MCFG/D	0.47 BWPD	0.26 BOPD	59 MCFG/D	1.03 BWPD
Recommended Allocation		47%	47%	31%	53%	53%	69%

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State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA
⁴ Property Code	⁵ Property Name JICARILLA B	⁶ Well Number #4F
⁷ OGRID No. 143199	⁸ Operator Name ENERVEST OPERATING, LLC	⁹ Elevation 6502'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	21	26N	5W		715'	SOUTH	1907'	EAST	RIO ARriba

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

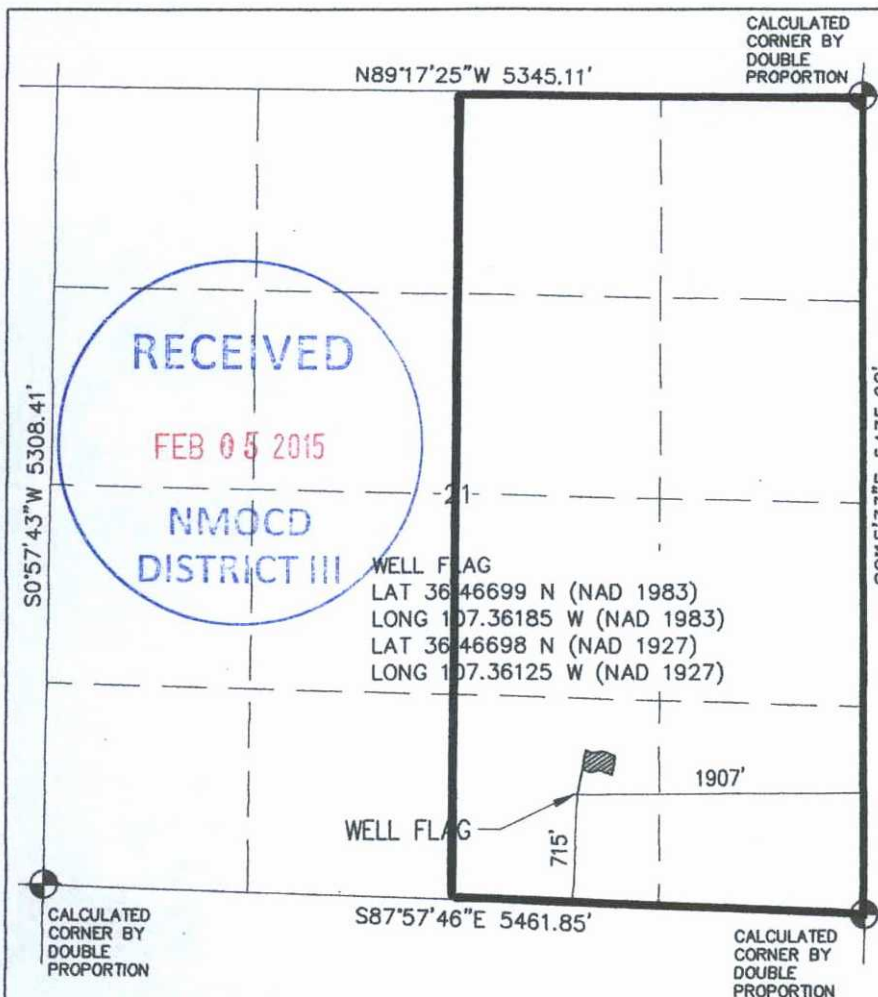
¹²Dedicated Acres
MV-E/2, 320± AC.; DK-E/2, 320± AC.

¹³Joint of Infill

¹⁴Consolidation Code

¹⁵Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *[Signature]* Date: 1-29-15

Printed Name: Michele Doeschner

E-mail Address: *[Email Address]*

¹⁸SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Survey Date: NOV. 5, 2014

Signature and Seal of Professional Surveyor



Certificate Number 11643